

Converting Colors

$Y_{xy}(27.5773, 0.2386, 0.3327)$

Have a look what the booklet for
Yxy(27.5773, 0.2386, 0.3327)
contains.

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Color

$\text{Yxy}(27.6948, 0.2384, 0.3325)$

Conversions

Conversions Part 1

Format	Color
Hex	389E9C
RGB	56, 158, 156
RGB Percent	22%, 62%, 61%
CMY	0.7804, 0.3804, 0.3883
CMYK	0.65, 0.00, 0.01, 0.38
HSL	179°, 48%, 42%
HSV	179°, 65%, 62%
XYZ	19.8570, 27.6948, 35.7409
YIQ	127.2740, -60.1500, -22.2460

Conversions

Conversions Part 2

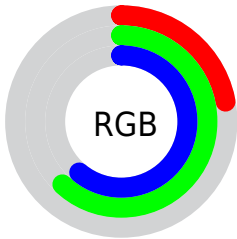
Format	Color
R_{YB}	56, 108, 158
Decimal	3710620
CIE _{Lab}	59.61, -29.23, -7.60
CIE _{LCh}	60, 30.201, 194.572
Yxy	27.6948, 0.2384, 0.3325
Android (android.graphics.Color)	4281900700 (0xFF389E9C)
YUV	127.2740, 14.1619, -62.5073
Hunter-Lab	52.6258, -24.7430, -3.4287

Details

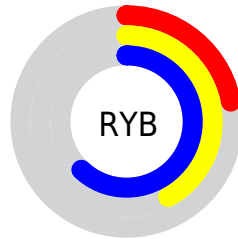
The Yxy color **27.6948, 0.2384, 0.3325** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **10.4045, 0.5113, 0.3267**, and the grayscale version is **21.2891, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.9546, 0.2536, 0.3328**, and **11.3280, 0.2254, 0.3315** is the 20% darker color. If you saturate the color by 10%, you get **27.2995, 0.2329, 0.3331**, and if you desaturate by 10%, it is **28.2359, 0.2458, 0.3319**.

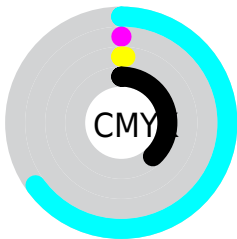
Distribution



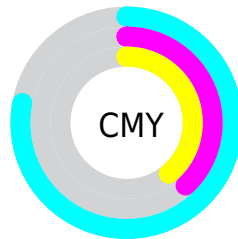
- Red (22%)
- Green (62%)
- Blue (61%)



- Red (22%)
- Yellow (42%)
- Blue (62%)



- Cyan (65%)
- Magenta (0%)
- Yellow (1%)
- Black (38%)





- Cyan (78%)
- Magenta (38%)
- Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 27.6948, 0.2384, 0.3325 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 27.6948, 0.2384, 0.3325 by changing the saturation by 10% instead.


 27.6948, 0.2384,
0.3325


 27.6948, 0.2384,
0.3325


291.0057, 0.2779,
0.3315


 18.0957, 0.2277,
0.3324


 55.9968, 0.2533,
0.3324

 11.0187, 0.2136,
0.3320


 75.4685, 0.2588,
0.3322

 6.0794, 0.1940,
0.3309

 98.9999, 0.2633,
0.3321

 2.8934, 0.1654,
0.3279

 126.9754, 0.2671,
0.3320

 1.0764, 0.0913,
0.3300

 159.7793, 0.2704,
0.3319

 0.0000, 0.0000,
0.0000

197.7960, 0.2733,

0.3317

241.4100, 0.2758,
0.3316

■ 27.6948, 0.2384,
0.3325

■ 27.6948, 0.2384,
0.3325

■ 27.2995, 0.2329,
0.3331

■ 28.2359, 0.2458,
0.3319

■ 27.0329, 0.2291,
0.3338

■ 28.9319, 0.2550,
0.3313

■ 26.8786, 0.2271,
0.3344

■ 29.7947, 0.2658,
0.3307

■ 26.8173, 0.2263,
0.3347

■ 30.8344, 0.2781,
0.3302

■ 32.0601, 0.2915,
0.3297

■ 33.4804, 0.3059,
0.3292

■ 35.1032, 0.3210,
0.3288

■ 36.9361, 0.3364,
0.3284

■ 38.9863, 0.3519,
0.3281

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



27.6948, 0.2742, 0.3820



27.6948, 0.2384, 0.3325



27.6948, 0.2222, 0.2869

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



27.6948, 0.2384, 0.3325



27.6948, 0.2967, 0.2584



27.6948, 0.4037, 0.3948

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



27.6948, 0.2384, 0.3325



10.4045, 0.5113, 0.3267

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



27.6948, 0.4126, 0.3583



27.6948, 0.2384, 0.3325



27.6948, 0.3479, 0.2832

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



27.6948, 0.2384, 0.3325



27.6948, 0.2536, 0.2490



27.6948, 0.3918, 0.3186



27.6948, 0.3699, 0.4177

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



27.6948, 0.2384, 0.3325



27.6948, 0.2234, 0.2655



27.6948, 0.3918, 0.3186



27.6948, 0.4099, 0.3836

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



27.6959, 0.2384, 0.3325



57.1018, 0.2849, 0.3299



25.6833, 0.3053, 0.5309



12.7401, 0.2813, 0.3300



80.7346, 0.3127, 0.3290



13.9985, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



27.6959, 0.2384, 0.3325



49.3547, 0.2312, 0.3334



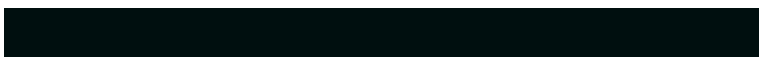
14.5494, 0.2150, 0.2331



7.5072, 0.2991, 0.3294



21.4772, 0.2263, 0.3347



0.3847, 0.2256, 0.3321

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



10.4045, 0.5113, 0.3267



15.5105, 0.5746, 0.3273



17.3767, 0.4571, 0.4026



6.6482, 0.3281, 0.3286



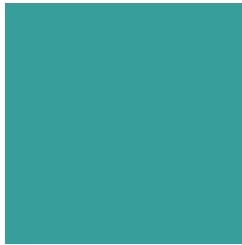
5.8280, 0.6372, 0.3284



0.1048, 0.6234, 0.3208

Previews

White Background



This preview shows how the Yxy color 27.6948, 0.2384, 0.3325 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the Yxy color 27.6948, 0.2384, 0.3325 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

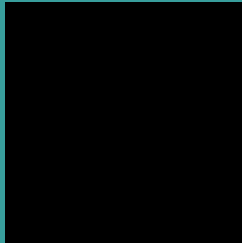
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 27.6948, 0.2384, 0.3325

Background



This preview shows how black text looks on a background with the Yxy color 27.6948, 0.2384, 0.3325.

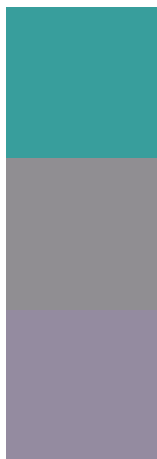


This preview shows how white text looks on a background with the Yxy color 27.6948, 0.2384, 0.3325.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

27.6948, 0.2384, 0.3325

Protanopia

27.3506, 0.3109, 0.3225

Deuteranopia

27.2992, 0.3016, 0.2962



Tritanopia

27.6656, 0.2325, 0.3058

Trichromacy



Original Color

27.6948, 0.2384, 0.3325

Protanomaly

26.8266, 0.2763, 0.3254

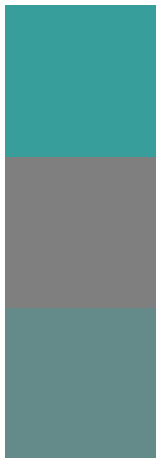
Deuteranomaly

26.7058, 0.2713, 0.3069

Tritanomaly

27.7549, 0.2350, 0.3162

Monochromacy



Original Color

27.6948, 0.2384, 0.3325

Achromatopsia

21.2231, 0.3127, 0.3290

Achromatomaly

22.7786, 0.2749, 0.3289

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.6948, 0.2384, 0.3325 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(56, 158, 156)` looks like.

```
.text, #text, p{  
    color:rgb(56, 158, 156)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(56, 158, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(56, 158, 156) }
```

Border

The CSS property to change the border of an element to Yxy 27.6948, 0.2384, 0.3325 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(56, 158, 156) }
```

If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(56, 158, 156) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(56, 158, 156) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(56, 158, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(56, 158, 156);  
box-shadow:4px 4px 4px 4px rgb(56, 158,  
156) }
```


Background

The CSS property to change the background color of an element to Yxy 27.6948, 0.2384, 0.3325 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(56, 158, 156) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(56, 158,  
156) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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